

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of the claims in the application:

**Listing of Claims:**

Claim 1 (original): A method for producing an optical substrate assembly comprising:  
providing substrate;  
disposing a first cladding layer on the substrate;  
forming a first recess in the first cladding layer;  
disposing a plurality of first deflector electrode assemblies in said first recess;  
disposing a core layer on the first cladding layer and over the first electrode assemblies,  
and  
forming microlenses in the core layer to produce an optical substrate assembly.

Claim 2 (original): The method of Claim 1 additionally comprising forming an alignment frame assembly in the core layer.

Claim 3(original): The method of Claim 2 wherein said forming an alignment frame assembly includes etching openings in the first cladding layer down to the substrate.

Claim 4 (original): The method of Claim 3 wherein said openings border on said first recess.

Claim 5 (original): The method of Claim 2 wherein said alignment frame assembly includes a plurality of spaced corner assemblies.

Claim 6 (original): The method of Claim 3 wherein said alignment frame assembly includes a plurality of spaced corner assemblies.

Claim 7 (original): The method of Claim 4 wherein said alignment frame assembly includes a plurality of spaced corner assemblies.

Claim 8 (original): The method of Claim 1 additionally comprising depositing a protective layer in said first recess.

Claim 9 (original): The method of Claim 7 additionally comprising depositing a protective layer in said first recess.

Claims 10 – 46 (canceled)

Claim 47 (currently amended): A method for producing an optical substrate assembly comprising:

- providing a substrate;
- disposing a first cladding layer on the substrate;
- forming a plurality of recesses in the first cladding layer;
- disposing a plurality of first deflector electrodes assemblies in said ~~first~~ recesses;
- disposing a core layer on the first cladding layer and over the first electrode assemblies;

and

- forming microlenses in the core layer to produce an optical substrate assembly.